



Title: Goddard Space Flight Center/Wallops Flight Facility Airborne
Geoscience Support Capability

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Discipline: Aircraft Operations

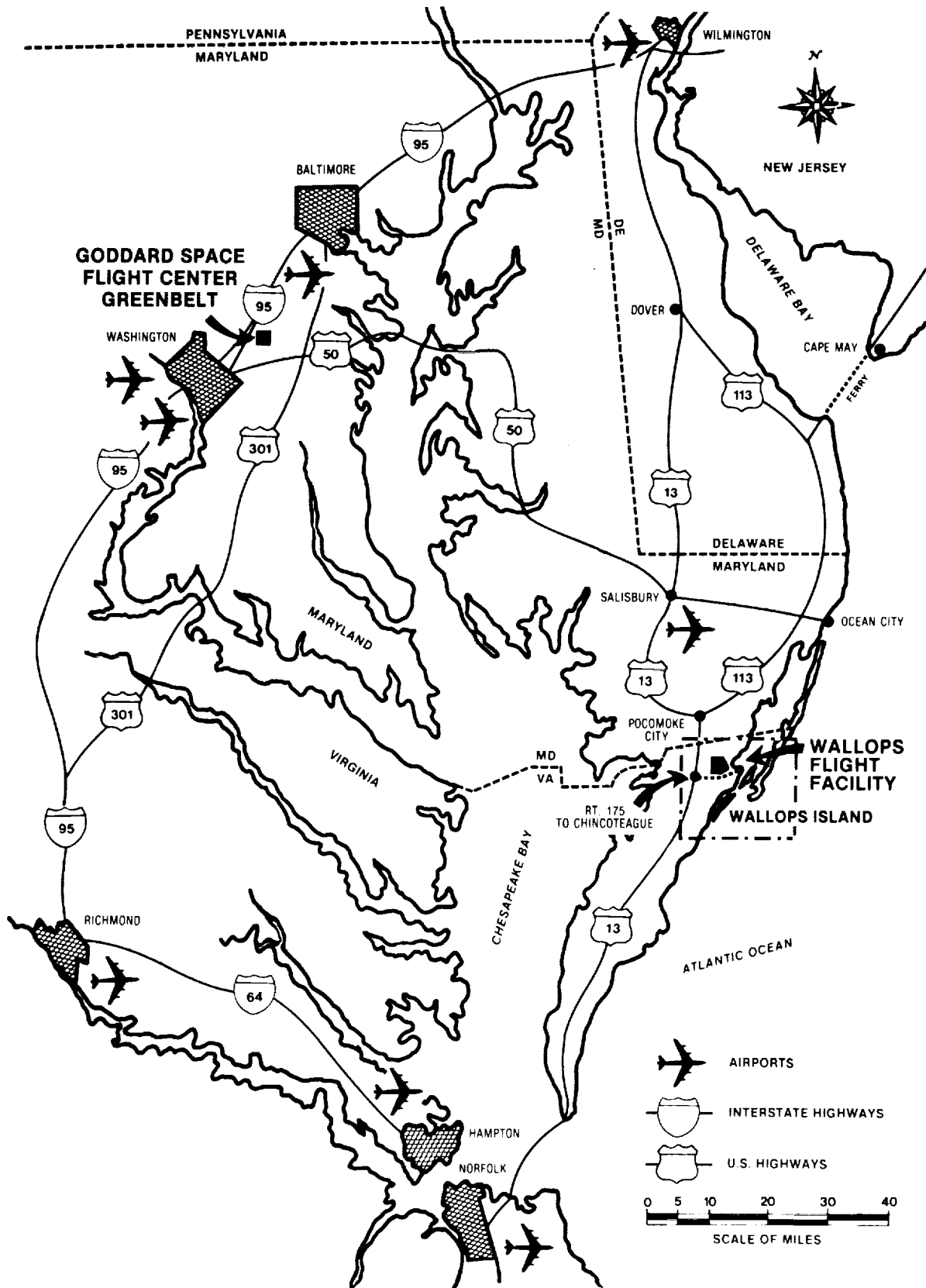
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Goddard Space Flight Center's Wallops Flight Facility (GSFC/WFF), located on Virginia's Eastern Shore, operates six aircraft which are used as airborne geoscience platforms. The aircraft complement consists of two UH-1B helicopters, one twin engine Skyvan, one twin jet T-39, and two four-engine turboprop aircraft (P-3 and Electra) offering the research community a wide range of payload, altitude, speed, and range capabilities.

WFF's support to a principal investigator includes mission planning of all supporting elements, installation of equipment on the aircraft, fabrication of brackets, adapters, etc., as required to adapt payloads to the aircraft, and planning of mission profiles to meet science objectives. The flight regime includes local, regional, and global missions.

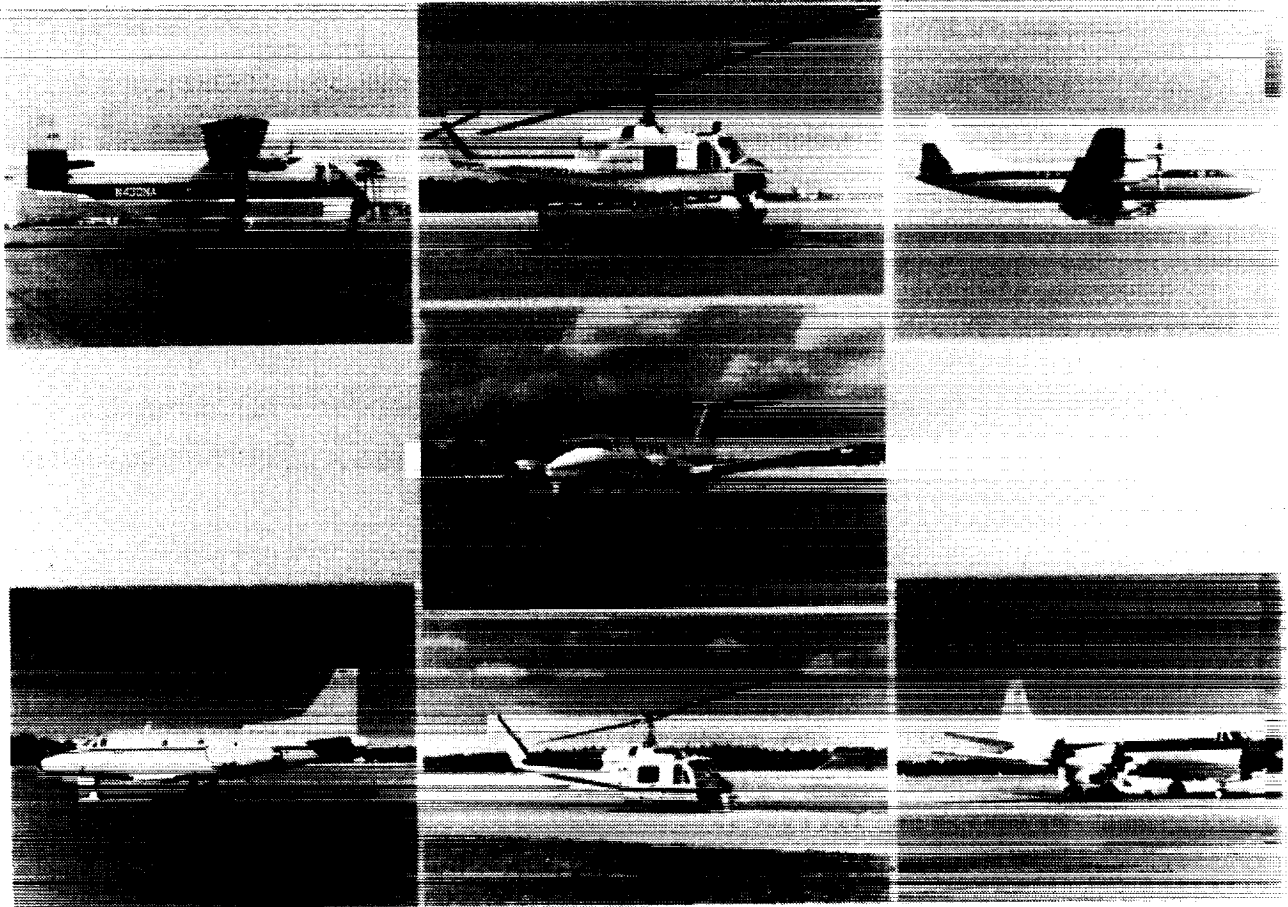
The WFF aircraft serve scientists at GSFC, other NASA centers, other government agencies, and universities. The WFF mode of operation features the "walk on" method of conducting research projects. The principal investigator requests aircraft support by letter to WFF and after approval is granted, works with the assigned mission manager to plan all phases of project support. The instrumentation is installed in WFF electronics racks, mounted on the aircraft, the missions are flown, and the equipment is removed when the scientific objectives are met. The principal investigator reimburses WFF for each flight hours, any overtime and travel expenses generated by the project, and for other mission-related expenses such as aircraft support services required at deployment bases.

For information pertaining to the use of the WFF aircraft, contact Roger L. Navarro (804-824-1448) or Peter N. Bradfield (804-824-1292).





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GSFC/Wallops Flight Facility Aircraft

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